ASC S³C

Tri-lab Advanced Simulation & Computing Sustainable Scientific Software Conference

CALL FOR PAPERS

VIRTUAL

MAY 24–26 2022

ASC S³C will help connect individuals and teams from the ASC Tri-labs that are working to deliver scientific software solutions in a sustainable manner. Sustainable software delivery spans the spectrum of software engineering, from design and development to DevOps; and software deployment platforms, from laptops to High Performance Computing (HPC) systems.

Submission Guidelines

Talks fall under one of four themes and are 20 minutes, plus 10 minutes for questions

Workshops are 2- or 4-hour hands-on opportunities to train users to use software products or software engineering approaches.

Please indicate if you are submitting for a talk or workshop, including theme for a talk or length for a workshop.

Authors are asked to submit abstracts (300 word max) to ascsssc@sandia.gov.

Updated deadlines

Deadline for submissions is April 8, 2022.

We will notify acceptance of papers by April 29, 2022.

Author information, lab association, and contact information will be published for attendees in the hopes of future interactions.

Please email ascsssc@sandia.gov for more information.

Themes

Software engineering for sustainable scientific software
Adapting and applying software engineering best practices and principles to the development of scientific software. Examples may include test-driven development, Agile methodologies, version control, requirements engineering, and verification & validation graded approach.

DevOps infrastructure development
Processes and tools that teams have developed to enable or improve DevOps. Examples may include build systems, package managers, deployment promotion models, and dashboards.

DevOps CI/CD pipeline development
Processes and tools that software projects use to create continuous integration and deployment (CI/CD) pipelines. Examples may include multiple repository integration, workflow implementation, and pipeline automation.

Data analytics in DevOps
Methods and approaches that leverage data to improve software engineering, system response and DevOps pipelines. Examples may include performance analytics, code/system failure prediction and trend identification and response.

Committee Members

NNSA
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Alfred Lorber
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Erik Strack
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Registration and virtual platform information will be available soon.

s3c.sandia.gov

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